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Reports: 1b

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9 JUL 1970  
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MEMORANDUM FOR: Chairman, Department of Defense Keys Committee  
(DODKEYCOM)

SUBJECT : NPIC PI Keys - Samples

1. The Center has prepared for your consideration samples (attached) of target identification aids used by our imagery interpreters.

2. These typical samples of 6 object targets (10 copies each) have been specially prepared in 2 formats. They are intended to provide you with possible alternatives for reducing or solving the keys production problem. The basic format of the NPIC product appears to lend itself well to similar production by each DODKEYCOM member organization.

3. Significant advantages to NPIC in the use of this type of product includes:

- a. Compactness. These 5"x8" cards can be filed in a smaller space than standard PI Key publications.
- b. The product can be filed selectively in a "shoe box" manner by individual PI's for their respective areas of imagery responsibility.
- c. Individual items can be updated without disturbing the total file.
- d. New targets or improved coverage of existing targets can be added to the file easily and in minimum time.
- e. The stereo pairs of imagery can be inserted conveniently into standard stereoscopic viewing equipment (Zoom 70).
- f. The modular file can be easily adjusted for target sharing by several PIs.

4. The 2 formats provided are 1) photographic contact paper print with second generation duplicate positive film transparencies (stereo pair), and 2) chronopaque process material with fourth generation opaque prints (stereo pair).

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5. The second generation duplicate positive format is preferred by the NPIC because it permits better viewing resolution where detail of the target is critical or where only fair image quality is available. The fourth generation chronopaque process, however, may be acceptable for most PI Keys and is less vulnerable to frequent handling.

6. There is less than a 5% cost difference between the 2 formats. The approximate cost to NPIC for the preparation of these samples (per target) are as follows:

- a. 4 to 5 man hours of PI preparation
- b. 6 to 7 man hours of finished production
- c. \$6.50 to \$7.00 for materials (second generation transparencies)  
\$8.50 to \$9.00 for materials (chronopaque process)

For these few samples, the cost is at the highest limit. A larger number of targets with increased multiples would reduce the cost per copy accordingly.

3. I hope that this effort will be helpful to you in your deliberations on the PI Keys production problem.

[Redacted]

Executive Director, NPIC

Attachment: a/s

Distribution:

- Copies 1 & 2 - Addressee w/att.
  - 3 & 4 - NPIC/ODIR w/o att.
  - 5 - NPIC/PPBS/RAD w/o att.
  - 6 - NPIC/IEG w/o att.
  - 7 - CIA/IAS w/o att.
- [Redacted]
- [Redacted]